

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1 (Currently Amended). An alkali-free glass consisting essentially of, in mass percent, 58-70%  $\text{SiO}_2$ , 10-19%  $\text{Al}_2\text{O}_3$ , 6.5-15%  $\text{B}_2\text{O}_3$ , 0-~~12~~2%  $\text{MgO}$ , 3 greater than 812%  $\text{CaO}$ , 0.1-2%  $\text{BaO}$ , 0-4%  $\text{SrO}$ , 0.1-6%  $\text{BaO}+\text{SrO}$ , 0-5%  $\text{ZnO}$ , 5-12%  $\text{MgO}+\text{CaO}+\text{BaO}+\text{SrO}+\text{ZnO}$ , 0-5%  $\text{ZrO}_2$ , 0-5%  $\text{TiO}_2$ , and 0-5%  $\text{P}_2\text{O}_5$ , containing substantially no alkali metal oxide, being formed into a plate-like shape by the down-drawn process, and having a density of  $2.40\text{g}/\text{cm}^3$  or less, an average coefficient of thermal expansion of  $25 \times 10^{-7}/^\circ\text{C}$  -  $36 \times 10^{-7}/^\circ\text{C}$  within a temperature range between 30 and  $380^\circ\text{C}$ , and a strain point not lower than  $640^\circ\text{C}$ , in which the liquidus temperature is not higher than  $1130^\circ\text{C}$ , and the viscosity at the liquidus temperature being not lower than  $10^{5.4}\text{dPa}\cdot\text{s}$ .

2 (currently amended). An alkali-free glass according to claim 1, wherein ~~the~~ a ratio  $(\text{BaO}+\text{SrO})/\text{BaO}$  falls within a range of 1.1-10 in mass ratio.

3 (canceled).

4 (Currently Amended). An alkali-free glass according to claim 1, wherein the erosion of the alkali-free glass is not greater than 10  $\mu\text{m}$  after treatment by a 10% HCl aqueous solution under the condition of 80°C and 24 hours and neither haze nor roughness of the alkali-free glass is confirmed by visual observation after treatment by a 10% HCl aqueous solution under the condition ~~at~~ of 80°C and 3 hours.

5 (Previously Presented). An alkali-free glass according to claim 1, wherein the erosion of the alkali-free glass is not greater than 0.8 $\mu\text{m}$  after treatment by a 130 BHF solution under the condition of 20°C and 30 minutes and neither haze nor roughness of the alkali-free glass is confirmed by visual observation after treatment by a 63 BHF solution under the condition of 20°C and 30 minutes.

6 (Previously Presented). An alkali-free glass according to claim 1, wherein the alkali-free glass has a specific modulus not smaller than 27.5 GPa/(g $\cdot\text{cm}^{-3}$ ).

7 (Previously Presented). An alkali-free glass according to claim 1, wherein the alkali-free glass does not contain  $\text{As}_2\text{O}_3$  but contains 0.5 - 3.0 wt%  $\text{Sb}_2\text{O}_3 + \text{Sb}_2\text{O}_5 + \text{SnO}_2 + \text{Cl}$ .

8 (Canceled).

9 (Currently Amended). An alkali-free glass according to claim 1, wherein the alkali-free glass consists essentially of, in mass percent, 60-68% SiO<sub>2</sub>, 12-18% Al<sub>2</sub>O<sub>3</sub>, 7-12% B<sub>2</sub>O<sub>3</sub>, 0-~~1~~ 2% MgO, 4- greater than 8%-10% CaO, 0.3-2% BaO, 0.1-2.7% SrO, 0.4% or more and less than 3% BaO+SrO, 0-0.9% ZnO, 5-12% MgO+CaO+BaO+SrO+ZnO, 0-1% ZrO<sub>2</sub>, 0-1% TiO<sub>2</sub>, and 0-1% P<sub>2</sub>O<sub>5</sub>.

10 (Currently Amended). A glass plate formed by an alkali-free glass consisting essentially of, in mass percent, 58-70% SiO<sub>2</sub>, 10-19% Al<sub>2</sub>O<sub>3</sub>, 6.5-15% B<sub>2</sub>O<sub>3</sub>, 0-~~1~~2% MgO, ~~3~~ greater than 8%-12% CaO, 0.1-2% BaO, 0-4% SrO, 0.1-6% BaO+SrO, 0-5% ZnO, 5-12% MgO+CaO+BaO+SrO+ZnO, 0-5% ZrO<sub>2</sub>, 0-5% TiO<sub>2</sub>, and 0-5% P<sub>2</sub>O<sub>5</sub>, containing substantially no alkali metal oxide, being formed into a plate-~~like~~ shape by the down-draw process and having a density of 2.40g/cm<sup>3</sup> or less, an average coefficient of thermal expansion of  $25 \times 10^{-7}/^{\circ}\text{C}$  -  $36 \times 10^{-7}/^{\circ}\text{C}$  within a temperature range between 30 and 380°C, and a strain point not lower than 640°C, in which the liquidus temperature is not higher than 1130°C, and the viscosity at the liquidus temperature being not lower than  $10^{5.4}\text{dPa}\cdot\text{s}$ .

11 (Previously Presented). A glass plate according to claim 10, wherein the glass plate is used for a flat display.

12 (Previously Presented). A glass plate according to claim 10, wherein the glass plate has a thickness of 0.6mm or less.

13 (Currently Amended). A glass plate according to claim 10, wherein the alkali-free glass consists essentially of, in mass percent, 60-68% SiO<sub>2</sub>, 12-18% Al<sub>2</sub>O<sub>3</sub>, 7-12% B<sub>2</sub>O<sub>3</sub>, 0-~~1~~ 2% MgO, ~~4~~ greater than 8%-10% CaO, 0.3-2% BaO, 0.1-2.7% SrO, 0.4% or more and less than 3% BaO+SrO, 0-0.9% ZnO, 5-12% MgO+CaO+BaO+SrO+ZnO, 0-1% ZrO<sub>2</sub>, 0-1% TiO<sub>2</sub>, and 0-1% P<sub>2</sub>O<sub>5</sub>.

14 (Currently Amended). A liquid crystal display comprising a glass plate formed by an alkali-free glass consisting essentially of, in mass percent, 58-70% SiO<sub>2</sub>, 10-19% Al<sub>2</sub>O<sub>3</sub>, 6.5-15% B<sub>2</sub>O<sub>3</sub>, 0-~~1~~ 2% MgO, ~~3~~ greater than 8%-12% CaO, 0.1-2% BaO, 0-4% SrO, 0.1-6% BaO+SrO, 0-5% ZnO, 5-12% MgO+CaO+BaO+SrO+ZnO, 0-5% ZrO<sub>2</sub>, 0-5% TiO<sub>2</sub>, and 0-5% P<sub>2</sub>O<sub>5</sub>, containing substantially no alkali metal oxide, being formed into a plate-~~like~~ shape by the down-draw process and having a density of 2.40g/cm<sup>3</sup> or less, an average coefficient of thermal expansion of  $25 \times 10^{-7}/^{\circ}\text{C}$  -  $36 \times 10^{-7}/^{\circ}\text{C}$  within a temperature range between 30 and 380°C, and a strain point not lower than 640°C, in which the liquidus

temperature is not higher than 1130°C, and the viscosity at the liquidus temperature being not lower than  $10^{5.4}$  dPa·s.

15 (Currently Amended). A liquid crystal display according to claim 14, wherein the alkali-free glass consists essentially of, in mass percent, 60-68% SiO<sub>2</sub>, 12-18% Al<sub>2</sub>O<sub>3</sub>, 7-12% B<sub>2</sub>O<sub>3</sub>, 0-± 2% MgO, 4 greater than 8%-10% CaO, 0.3-2% BaO, 0.1-2.7% SrO, 0.4% or more and less than 3% BaO+SrO, 0-0.9% ZnO, 5-12% MgO+CaO+BaO+SrO+ZnO, 0-1% ZrO<sub>2</sub>, 0-1% TiO<sub>2</sub>, and 0-1% P<sub>2</sub>O<sub>5</sub>.

16 (Previously Presented). A polycrystal silicon TFT liquid crystal display comprising a glass plate claimed in claim 10.